

CLIPPEDIMAGE= EP000860911A2

PUB-NO: EP000860911A2

DOCUMENT-IDENTIFIER: EP 860911 A2

TITLE: Press fit circuit board connector

PUBN-DATE: August 26, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

POTTERS, PAUL J M

NL

ASSIGNEE-INFORMATION:

NAME

COUNTRY

BERG ELECTRONICS MFG

NL

APPL-NO: EP98102427

APPL-DATE: February 12, 1998

PRIORITY-DATA: US80471797A (February 21, 1997)

INT-CL (IPC): H01R023/70

EUR-CL (EPC): H01R023/70

ABSTRACT:

CHG DATE=19990617 STATUS=O> A right angle press fit connector employs a modular construction having a common terminal carrying press block that is associable with different types of shroud structures. The press block may include true positioned location structures for press fit tails. The true position structures may be integral with the press block. A cruciform shaped terminal insertion passage in the press block minimizes damage to the plating of the terminals and provides structural stiffness. <IMAGE>

DERWENT-ACC-NO: 2000-001188  
DERWENT-WEEK: 200001  
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TITLE: Press block for device carrying out through hole mounting  
of press fit  
type connectors onto printed circuit boards

INVENTOR: VAN DEN AKER, C G J

PATENT-ASSIGNEE: BERG ELECTRONICS MFG BV[BRGL]

PRIORITY-DATA: 1998EP-0201573 (May 12, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	
PAGES	MAIN-IPC		
EP 957543 A1	November 17, 1999	E	015
H01R 043/20			

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC MK N  
L PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
EP 957543A1	N/A	1998EP-0201573
May 12, 1998		

INT-CL\_(IPC): H01R043/20; H05K013/04

ABSTRACTED-PUB-NO: EP 957543A

BASIC-ABSTRACT: NOVELTY - The press block (35) includes an application surface (39) with multiple apertures (38), for engaging the contact terminals and applying an insertion force. This comprises multiple adjacently spaced insertion members (36) mutually connected by reinforcement struts (37). These struts act to balance the reaction forces exerted by the contact terminals on the application surface during insertion.

USE - For use with a connector application device carrying out through-hole

mounting of press-fit type connectors to printed circuit boards.

ADVANTAGE - The press block is less liable to deflection and rupture than prior blocks, thereby reducing the overall tooling costs of the application device.

The surface of the press block is improved over prior designs so as to further reduce the risk of damage to the contact terminals.

DESCRIPTION OF DRAWING(S) - The drawing is a schematic of a preferred embodiment of the press block showing the application surface.

Press block 35

Insertion members 36

Reinforcement struts 37

Apertures 38

Application surface 39

CHOSEN-DRAWING: Dwg.7/11

TITLE-TERMS:

PRESS BLOCK DEVICE CARRY THROUGH HOLE MOUNT PRESS FIT TYPE  
CONNECT PRINT  
CIRCUIT BOARD

DERWENT-CLASS: V04

EPI-CODES: V04-B01; V04-M05; V04-P09; V04-R04F;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-001093

CLIPPEDIMAGE= JP410321318A

PUB-NO: JP410321318A

DOCUMENT-IDENTIFIER: JP 10321318 A

TITLE: WIRING BASE BOARD PRESS-IN ELECTRIC CONNECTOR

PUBN-DATE: December 4, 1998

INVENTOR-INFORMATION:

NAME

POTTERS, PAUL J M

INT-CL (IPC): H01R023/68; H01R009/24

ABSTRACT:

PROBLEM TO BE SOLVED: To secure true positional arrangement of a press-in terminal tail part, and enhance facility and reliability of a device by arranging a carrier in an insulating or conductive shroud part, and forming a header having no shield or having a seal.

SOLUTION: In a pin header, two members of a press block 24 and a shroud 26 are integrally joined together. The press block 24 has a body formed of an insulating material such as a moldable thermoplastic resin. The press block or the carrier 24 has plural cylindrical bosses extending by going over a positioning flange. An outside diameter of the bosses and an inside diameter of an opening of the shroud 26 are formed in a dimension by which the bosses and the opening are put in an almost tight fit condition when the press block 24 and the shroud 26 are integrally pressed. The press block 24 has an almost flat top wall to receive a press tool to press a completed connector in a printed circuit board. The press block 24 also has a bottom wall 54, and a fixing projecting piece part 56 is suspended from the bottom wall 54.

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FPAR:

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